

**Program of the 15th Symposium on Antarctic Geosciences
held at the National Institute of Polar Research, Tokyo,
October 26–27, 1995**

I. Geology and Petrology I

1. Origin of meta-ultramafic rock from the Austkampane area of the Sør Rondane Mountains, East Antarctica. Hideo ISHIZUKA, Satoko SUZUKI and Hideyasu KOJIMA.
2. Carbon isotopic composition of graphite in pelitic gneiss from the Sør Rondane Mountains, East Antarctica. Noriyoshi TSUCHIYA and Yasuhito OSANAI.
3. CHIME age for a metamorphic rock from the eastern Sør Rondane Mountains. Masao ASAMI, Kazuhiro SUZUKI and Mamoru ADACHI.
4. Unusual geochemical characteristics of Mefjell granitic rocks from the central Sør Rondane Mountains, East Antarctica. Yoshiaki TAINOSHO, Yuhei TAKAHASHI and Masaaki OWADA.
5. Mode of plagioclase twin laws in the metamorphic rocks in the Sør Rondane Mountains. Yuhei TAKAHASHI, Yoshiaki TAINOSHO, Yasuhito OSANAI and Noriyoshi TSUCHIYA.
6. Microtexture of alkali feldspar in the syenites from the Yamato and the Sør Rondane Mountains, East Antarctica. Takanobu OBA and Kazuyuki SHIRAISHI.

II. Geophysics I

7. Mean sea level change at Syowa Station in these 20 years. Yutaka MICHIDA, Masaharu NAMIKI and Yoshiyuki IWANAGA.
8. On the amplitude factor of gravity tide at Syowa Station. Tadahiro SATO, Kazunari NAWA, Kouji MATSUMOTO and Kazuo SHIBUYA.
9. Observation of the Earth's free oscillations at Syowa Station, Antarctica. Kazunari NAWA, Naoki SUDA, Yoshio FUKAO, Masatsugu OOE and Katsutada KAMINUMA.
10. On the possibility of detecting changes in the earth's radius at Syowa Station, Antarctica. Katsutada KAMINUMA.
11. Continuous measurements of absolute gravity at Syowa Station. Hiroaki YAMAMOTO, Koh NITTA, Kazunori YAMAGUCHI, Satoshi FUJIWARA and Makoto MURAKAMI.

III. Geophysics II

12. Shear wave splitting anisotropy in Antarctica. Atsuki KUBO, Yoshihiro HIRAMATSU, Masaki KANAO and Masataka ANDO.
13. Crustal velocity model for shear wave in East Antarctica by receiver function inversion for broadband waveforms –Comparison of Dumont d'Urville and Syowa Stations–. Masaki KANAO, Atsuki KUBO and Takuo SHIBUTANI.
14. Body wave travel time analysis beneath the Australian - Antarctic discordance. Kenta OKANO and Kunihiko SHIMAZAKI.

IV. Marine Geology and Geophysics I

15. Geology and geophysics of the west Wilkes Land margin. Takemi ISHIHARA, Manabu TANAHASHI, Mikio SATO and Yoshihisa OKUDA.
16. Characteristics of surface sediments in and around the Ross Sea, Antarctica. Akira NISHIMURA, Makoto YUASA, Toru NAKASONE and Masaki NAKAHARA.
17. Areal and vertical variation of heavy mineral composition of the surface sediments, Ross Sea, Antarctica. Shuichi TOKUHASHI, Christopher M. AGYNGI and Akira NISHIMURA.

V. Marine Geology and Geophysics II

18. Preliminary results of seismic survey in the central Bransfield Strait, Antarctic Peninsula. Young Keun JIN, Yeadong KIM, Hyoung-Soo KIM and Sang Heon NAM.

19. Crustal structure and deformation history of the Shackleton Fracture Zone, Scotia Sea. Yeadong KIM, Hyoung-Soo KIM and Young Keun JIN.
20. Relative importance of subduction and Gondwana-breakup during L. Jurassic - E. Cenozoic times in the northern Antarctic Peninsula region. Moon Young CHOE and Chul Woo RHEE.

VI. Geology and Petrology II

21. Phase relations of a cordierite granulite from Rundvågshetta, East Antarctica at high pressures. Toshisuke KAWASAKI, Masahiro ISHIKAWA and Yoichi MOTOYOSHI.
22. Migmatites from Breidvågnaipa, East Antarctica. Toshiaki SHIMURA, Noriyoshi TSUCHIYA and Geoffrey L. FRASER.
23. On the mode of occurrence of Al_2SiO_5 minerals (andalusite, kyanite, and sillimanite) in pelitic gneisses from the Prince Olav Coast, East Antarctica. Yoshikuni HIROI.
24. Preliminary measurement of neodimium model ages for rocks from Lützow-Holm Bay area, East Antarctica. Masaru YOSHIDA, Hiroo KAGAMI and C. UNNIKRIISHNAN-WARRIER.
25. Significance of the 770 Ma granites in the Rayner Complex. Kazuyuki SHIRAISHI, D. J. ELLIS, C. M. FANNING, Yoshikuni HIROI, Hiroo KAGAMI and Yoichi MOTOYOSHI.

VII. Geology and Petrology III

26. Empirical tests for carbon isotope thermometry: Examples from marbles of the Kerala Khondalite Belt, Southern India and Lützow-Holm Bay, East Antarctica. M. SATISH-KUMAR, Hideki WADA, M. Santosh and Masaru YOSHIDA.
27. Crustal genesis and evolution in the eastern Ghats, India and its comparison with East Antarctica: A geochemical approach. M. Venkata RAO.
28. Structural evolution of the Wannai Complex around Kurunegala in central Sri Lanka. Yasutaka TANI and Masaru YOSHIDA.
29. A paleomagnetic study of the west coast region in Lützow-Holm Bay. Minoru FUNAKI, P. WASILEWSKI and Naoto ISHIKAWA.
30. Nature of granitic magmatism in the Barton and Weaver Peninsulas, King George Island, Antarctica. Jong Ik LEE, Hyeoncheol KIM, Jeong HWANG, Cheon Yun KANG, Mi Jung LEE and Keisuke NAGAO.

VIII. Geophysics III

31. Technical problems of seismic observation system in a polar area - Acquisition of teleseisms with the event triggering method -. Junpei AKAMATSU and Masaki KANAO.
32. Geophysical application of satellite altimetry in the Antarctic Ocean. Yoichi FUKUDA, Kumiko TERADA, Yoshifumi NOGI and Kazuo SHIBUYA.
33. Current status on the development of the Antarctic Penetrator. Kazuo SHIBUYA, Masaki KANAO, Katsutada KAMINUMA, Akio FUJIMURA, Masahiko HAYAKAWA, Hitoshi MIZUTANI, Isao YAMADA and Kiyoshi ITO.
34. Test on the airborne gravimetry. Jiro SEGAWA, Kin-ichiro KOIZUMI and Chieko KURAMOTO.

IX. Geochemistry and Geomorphology I

35. Partition of silicates between ice and water in pond water in Wright Valley, Victoria Land, Antarctica. Kohei KAWANO, Tamio KAWANO and Tetsuya TORII.
36. Holocene environmental variability in the Victoria Land coast. Kazuomi HIRAKAWA, Paul BERKMAN, S. v. BLOEM and Michael PRENTICE.
37. Middle-Late Pleistocene raised beaches in the Terra Nova Bay region. Kazuomi HIRAKAWA, Paul BERKMAN, S. v. BLOEM and Michael PRENTICE.
38. Glaciation of the marginal mountains of Eastern Antarctica: The case of the Sør Rondane. Frank PATTYN and Hugo DECLEIR.

X. Geomorphology II

39. Modeling of the erosional topography observed at the Antarctic continental shelf-rise area. Hideo KAGAMI.
40. Radiocarbon ages of marine bottom sediments in the eastern part of Lützow-Holm Bay, determined by AMS. Atsuo IGARASHI, Hideki NUMANAMI, Yasutaka TUCHIYA, Toshio NAKAMURA, Mitsuo FUKUCHI and Kiichi MORIWAKI.
41. Magnetic anomalies of Ongul Strait. Youichi WAKINO, Yoshifumi NOGI and Minoru FUNAKI.
42. Geomorphology of Antarctic coastal areas -Review and proposal-. Yoshio YOSHIDA and Manatsu TODA.

Poster session

- P1. Report of geological field survey in Langhovde and Mt. Riiser-Larsen areas (JARE-36). Yoshinobu KAWANO, Masashi ARITA and Kazuki NAITO.
- P2. Reaction texture in granulites from McIntyre Island, Casey Bay, Enderby Land. Yoichi MOTOYOSHI.
- P3. Ultra-high temperature dehydration melting of F-biotite in pelitic granulites from the Napier Complex, Enderby Land, East Antarctica. Yasuhito OSANAI, Masaaki OWADA, Kazuyuki SHIRAIISHI, B. J. HENSEN and Noriyoshi TSUCHIYA.
- P4. Stable isotope study on the hydrothermal alteration zone in the Barton Peninsula, King George Island, Antarctica. Jeong HWANG, Jong Ik LEE, Hyeoncheol KIM and Yeadong KIM.
- P5. High-temperature metamorphic imprint from calc-granulites of Rayagada, Eastern Ghats, India. Rajib K. SHAW and Makoto ARIMA.
- P6. An aspect to the Late Cenozoic glacial history of East Antarctica. Kiichi MORIWAKI.
- P7. Preliminary analysis of the Russian aeromagnetic surveys over the 20°E–50°E coastal region of East Antarctica. A.V. GOLYNSKY, N. D. ALESHKOVA, V.N. MASOLOV, P. WELLMAN, Yoshifumi NOGI and Kazuo SHIBUYA.
- P8. Seismic anisotropy in subduction zones observed in Antarctica. Yoshihiro HIRAMATSU, Atsuki KUBO, Masaki KANAO and Masataka ANDO.
- P9. A review of heat flow measurements in the Southern Ocean. Katsutada KAMINUMA and Toshiyasu NAGAO.
- P10. Paleomagnetism on Langhovde, Lützow-Holm Bay area. Naoto ISHIKAWA and Minoru FUNAKI.